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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/588,486	08/04/2006	Katrin Klass	294079US0PCT	6691		
22850 OBLON, SPIV	7590 07/11/200 'AK MCCLELLAND	EXAMINER				
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. 1940 DUKE STREET			WITHERSPOON, SIKARL A			
ALEXANDRI	A, VA 22314		ART UNIT	PAPER NUMBER		
			1621			
			NOTIFICATION DATE	DELIVERY MODE		
			07/11/2007	ELECTRONIC		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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			Application No.		Applicant(s)					
Office Action Summary		10/588,486		KLASS ET AL.						
		-	Examiner		Art Unit	u, ;				
			Sikarl A. Witherspoon		1621					
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply									
A SHO WHIC - Exter after - If NO - Failui Any r	ORTENED STATUTORY PERIOD F SHEVER IS LONGER, FROM THE M Issions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this common period for reply is specified above, the maximum stee to reply within the set or extended period for reply eply received by the Office later than three months and patent term adjustment. See 37 CFR 1.704(b).	MAILING DA's of 37 CFR 1.136 nunication. atutory period will will, by statute, or	TE OF THIS COMMUNI i(a). In no event, however, may a il apply and will expire SIX (6) MON cause the application to become Al	ICATION. reply be time! NTHS from th BANDONED	ely filed ne mailing date of this commun (35 U.S.C. § 133).					
Status										
2a)□	Responsive to communication(s) filed on <u>04 August 2006</u> . This action is FINAL . 2b)⊠ This action is non-final. Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.									
Dispositi	on of Claims									
5)☐ 6)⊠ 7)☐ 8)☐ Applicati 9)☐ 10)☐	Claim(s) 1-13 is/are pending in the a 4a) Of the above claim(s) is/a Claim(s) is/are allowed. Claim(s) 1-13 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restrict on Papers The specification is objected to by the specification is objected to be specification in the specification is objected to by the specification is objected to be specification in the specification is objected to by the specification is objected to be specification in the specification in the specification is objected to specification is objected to specification in the specification in the specification is objected to specification in the specification i	e Examiner. a) acception to the digestion to the digestion.	election requirement. oted or b) objected to rawing(s) be held in abeyar in is required if the drawing	nce. See 3 g(s) is obje	37 CFR 1.85(a). cted to. See 37 CFR 1.1	` ,				
•	•	o by the LA	miner. Note the attached	u Onice A	ACTION OF TOTAL	<i>,</i> .				
Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.										
2) Notice 3) Inform	(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (Fination Disclosure Statement(s) (PTO/SB/08) No(s)/Mail Date 8/4/06.	PTO-948)	Paper No(

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-5 and 10 are rejected under 35 U.S.C. 102(b) as being anticipated by Tedeschi et al (J. Org. Chem., 1963).

Tedeschi et al disclose a process for preparing a propargyl alcohol by condensing an aldehyde (acetaldehyde or propionaldehyde) with acetylene in the presence of ammonia and potassium hydroxide, at a temperature from 25-40° C, and a pressure of 190-200 psig (about 13 bar). This process anticipates the instant claims (see experimental section on p 1743).

Claims 1-6 and 10 are rejected under 35 U.S.C. 102(b) as being anticipated by Tedeschi et al (US 3,082,260).

Tedeschi et al disclose the preparation of several propargyl alcohols by condensing acetylene and an aldehyde in the presence or ammonia and potassium hydroxide (see examples 8-10 for specific reaction conditions and concentration of reactants). This process anticipates the instant claims.

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Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 7 and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tedeschi et al.

The instant claims further limit the process of the presence invention such that the substituent R1 is a 3-hepyl group, and recites a limitation wherein the conversion to propargyl alcohol is effected by simultaneous metering of he reactant streams.

Tedeschi et al do not expressly teach these limitations; however, the reference teaches reaction of butyraldehyde, isobutyraldehyde, and isooctylaldehyde, with acetylene. It therefore would have been obvious to a person having ordinary skill in the art that both higher and lower aldehydes may have been reacted with acetylene under the reaction conditions disclosed in by the reference, with the reasonable expectation of producing the corresponding propargyl alcohol. It would have also been obvious to a person of ordinary skill to meter the reactants into a reactor simultaneously or step-wise, as desired with the reasonable expectation of producing a propargyl alcohol.

Claims 11-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tadeschi et al as applied to claims 7 and 8 above, and further in view of Kindler et al (US 6,297,407).

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The instant claims further limit the process of the invention to the base being an alkali metal or alkaline earth metal alkoxide. Tadeschi et al teach the use of an alkali hydroxide; however, Kindler et al teach the preparation of alkyne alcohols by reacting a carbonyl compound, i.e., an aldehyde or ketone, with acetylene in the presence of potassium alkoxide (col. 2, line 53 to col. 3, line 6).

In view of the combined reference teachings, it would have been obvious to a person or ordinary skill in the art, at the time the present invention was made, to substitute the alkoxide used by Kindler et al for the hydroxide compound used by Tadeshi et al, since the combination of teachings suggests the equivalence of alkali hydroxides and alkoxides in such reactions.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sikarl A. Witherspoon whose telephone number is 571-272-0649. The examiner can normally be reached on M-F 8:30-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yvonne Eyler can be reached on 571-272-0871. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Sikarl A. Witherspoon PRIMARY EXAMINER